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(54) METHOD FOR EXTRACTING SERICIN, THE EXTRACT SOLUTION AND METHOD FOR MODIFYING FIBER OR FABRIC

(57)Abstract:

PROBLEM TO BE SOLVED: To extract sericin from cocoon filaments at ordinary temperature without carrying out a physical treatment such as heating or a chemical treatment such as hydrolysis.

SOLUTION: This method for extracting the sericin immerses cocoon filaments in strong electrolyzed water produced by electrolyzing water, while dissolving a crystalline clay mineral in the water, thus extracting the sericin at the ordinary temperature. The obtained sericin extract solution contains the sericin having a high molecular weight in an approximately natural state, and can be used for modifying fibers or fabrics.